

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Animal and Veterinary Sciences</b>
Manuscript Number:	<b>Ms_AJRAVS_109569</b>
Title of the Manuscript:	<b>Effect of seasonal mating on birth weights of Mpwapwa breed cattle and its crosses produced at Tanzania Livestock Research Institute – Mpwapwa, Tanzania</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)																																		
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>This article is very useful for the scientific community and producers (breeders). It contributes to achieving food self-sufficiency, especially in proteins of animal origin.</li> <li>The title of the article is good. However, I propose the following title: Effect of calving season on birth weight of Mpwapwa breed cattle and its crosses produced at Tanzania Livestock Research Institute – Mpwapwa, Tanzania. Abstract is well structured. But specify the number of Vianze calves in the following sentence: Overall, the Vianze calves had the highest average birth weight (26.6 kg, n = ?),.....</li> <li>Subsections are well structured and appropriated think that the manuscript is scientifically correct.</li> <li>The references are sufficient and recent.</li> </ol> <p><b>Additional comments and suggestions</b></p> <ol style="list-style-type: none"> <li><b>Introduction :</b> <ul style="list-style-type: none"> <li>Line 17: The breed was made from 32% Red Sindhi, 30% Sahiwal, .....and Ayrshire 8% [1,2]. In this sentence put: The breed is made from 32% Red Sindhi,.....</li> <li>Line 19 to 23: Replace these two sentences with the following sentence: Mpwapwa breed is renowned for its adaptation to the harsh environmental conditions of arid and semi-arid regions characterized by limited grazing resources and fluctuating weather conditions and for its contribution to the livelihoods of local communities, which is actually a valuable asset for farmers and ranchers [3-5].</li> <li>Line 27: in the sentence “In recent years, efforts have been made to preserve and improve the”. Replace “made to preserve” by “made to keep”</li> <li>Line 32: “These include health and survival of a calf, growth potential of the calf and milk production of the dam”. Replace “These include health and survival of a calf, growth potential of the calf and its milk production”.</li> <li>Line 43 to 44: “Among the factors which could influence birth weight of a calf is the season into which a calf is born with several factors coming into play”. Replace this following sentence by: “Among the factors which could influence birth weight of a calf is its season of birth with several factors coming into play”.</li> </ul> </li> <li><b>MATERIALS AND METHODS</b> <ul style="list-style-type: none"> <li><b>Study area:</b> At the end of the description of the study area, add 1 or 2 sentences about the average temperature of the climate of the research center.</li> </ul> </li> <li><b>Results:</b> If the data allows, please insert a table of variation in average birth weight in each breed depending on the birthing season and sex. This table template looks like this:</li> </ol> <table border="1" data-bbox="1160 1402 2125 1898"> <thead> <tr> <th colspan="2" data-bbox="1160 1402 1344 1493">Factors (Season and sex)</th> <th colspan="5" data-bbox="1344 1402 2125 1493">Breeds</th> </tr> <tr> <th data-bbox="1160 1493 1279 1608">Birth weight of calves</th> <th data-bbox="1279 1493 1344 1608"></th> <th data-bbox="1344 1493 1522 1608">Chibamba</th> <th data-bbox="1522 1493 1685 1608">Kikombo</th> <th data-bbox="1685 1493 1863 1608">Matondwe</th> <th data-bbox="1863 1493 1997 1608">Mpwapwa</th> <th data-bbox="1997 1493 2125 1608">Vianze</th> </tr> </thead> <tbody> <tr> <td data-bbox="1160 1608 1279 1698" rowspan="2"><b>Rainy season</b></td> <td data-bbox="1279 1608 1344 1698">Male</td> <td data-bbox="1344 1608 1522 1698">Mean±SD</td> <td data-bbox="1522 1608 1685 1698">Mean±SD</td> <td data-bbox="1685 1608 1863 1698">Mean±SD</td> <td data-bbox="1863 1608 1997 1698">Mean±SD</td> <td data-bbox="1997 1608 2125 1698">Mean±SD</td> </tr> <tr> <td data-bbox="1279 1698 1344 1814">Female</td> <td data-bbox="1344 1698 1522 1814">Mean±SD</td> <td data-bbox="1522 1698 1685 1814">Mean±SD</td> <td data-bbox="1685 1698 1863 1814">Mean±SD</td> <td data-bbox="1863 1698 1997 1814">Mean±SD</td> <td data-bbox="1997 1698 2125 1814">Mean±SD</td> </tr> <tr> <td data-bbox="1160 1814 1279 1898"><b>Dry season</b></td> <td data-bbox="1279 1814 1344 1898">Males</td> <td data-bbox="1344 1814 1522 1898">Mean±SD</td> <td data-bbox="1522 1814 1685 1898">Mean±SD</td> <td data-bbox="1685 1814 1863 1898">Mean±SD</td> <td data-bbox="1863 1814 1997 1898">Mean±SD</td> <td data-bbox="1997 1814 2125 1898">Mean±SD</td> </tr> </tbody> </table>	Factors (Season and sex)		Breeds					Birth weight of calves		Chibamba	Kikombo	Matondwe	Mpwapwa	Vianze	<b>Rainy season</b>	Male	Mean±SD	Mean±SD	Mean±SD	Mean±SD	Mean±SD	Female	Mean±SD	Mean±SD	Mean±SD	Mean±SD	Mean±SD	<b>Dry season</b>	Males	Mean±SD	Mean±SD	Mean±SD	Mean±SD	Mean±SD	
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<b>Minor</b> REVISION comments									
1. Is language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is suitable for scientific scholarly communications								
<b>Optional/General</b> comments	This research work is relevant because it contributes greatly to improving animal production. However, the livestock subsector is very economically important for the Sahelian countries. It is also synonymous with improving the living conditions of low-income households.								

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

**Reviewer Details:**

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